

8333

Diag. Cht. No. 6380-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. Ho-1455 Office No. H-8333

LOCALITY

State Washington

General locality Washington Coast

Locality Rosario Strait, Peavine Pass  
and Obstruction Pass

19/55

CHIEF OF PARTY

Paul Taylor

LIBRARY & ARCHIVES

DATE January 13, 1959

B-1870-1 (1)

8333

6-11  
6-12  
6-13

HYDROGRAPHIC SIGNALS FOR HO-1455

Hydro Name	Source
002 Abe	HO-D
012 Ace	HO-B
018 Act	HO-B
016 Ado	HO-B
036 Ago	HO-C
035 Aim	HO-D
046 Alp	HO-C
056 Amp	HO-B
088 Bah	HO-B
021 Bed	HO-B
017 BERRY	BERRY, 1939
030 Bib	HO-B
040 BLAKE	BLAKE, 1939
060 Boa	HO-C
064 BOLD	BOLD, 1940
065 Bon	HO-D
085 Bum	HO-B
087 Bus	HO-C
100 Cab	HO-D
105 Can	HO-B
165 CON	PEAVINE PASS BEACON, 1939
166 Cop	HO-B
169 Cow	HO-C
179 Cry	HO-B
172 Cue	HO-C
187 CUR	CURRENT, 1955
177 Cut	HO-B
119 Day	HO-B
120 Dead-	Pg. 40, Vol. 1 <sup>2</sup>
121 Deb	HO-C
125 Den	HO-B
132 Dif	HO-B
136 Dip	HO-C
139 Dix	HO-D
161 Doc	HO-B
112 DOE	DOE, 1939
163 Dog	HO-B
108 Eat	HO-C
100 Ebb	HO-B
136 Ego	HO-C
141 Elf	HO-B
145 Elm	HO-B
151 End	HO-D
170 Era	HO-B
121 Fed	HO-D
119 Few	HO-B
138 Fit	HO-C
139 Fix	HO-C
144 Fly	HO-C
167 For	HO-B
164 Fox	HO-B
187 Fur	HO-B

303 Gag	HO-B
307 Gas	HO-B
325 Gem	HO-D
327 Get	HO-C
333 Gig	HO-B
336 Glp	HO-B
360 Gob	HO-C
327 Her	HO-B
331 Hid	HO-B
337 His	HO-C
366 Hop	HO-C
369 How	HO-B
380 Hub	HO-D
345 ION	OBSTRUCTION PASS, 1854
377 Its	HO-B
389 Ivy	HO-B
409 Jaw-	HO-B
430 Jib	HO-C
435 Jim	HO-B
460 Job	HO-B
462 Joe	HO-C
482 Jug	HO-D
471 Ked	HO-D
425 Kem	HO-B
405 Lam	HO-B
400 LAW-	LAWRENCE 3, 1939
423 Leg	HO-C
428 Let	HO-C
433 LIG-	PEAPOD LIGHT, 1939
434 LIGHT-	OBSTRUCTION PASS LIGHT, 1939
436 Lip	HO-B
464 Low	HO-D
419 Lux	HO-B
500 Man	HO-C
507 Mar	HO-B
528 Met	HO-D
531 Mid	HO-B
566 Mop	HO-D
583 Mug	HO-B
521 Ned	HO-B
529 New	HO-C
533 Nig	HO-D
539 Nix	HO-C
569 Now	HO-B
577 Nut	HO-B
622 Off	HO-B
634 Oil	HO-B
641 Old	HO-C
670 Orb	HO-B
694 Owl	HO-D
604 Pal	HO-C
607 Par	HO-B
620 PEA-	PEAVINE PASS LIGHT, 1939
614 PEAP-	PEAPOD, 1939
613 Peg	HO-B

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674Pep	HO-D
677PICK	PICKETT, 1941
678Pit	HO-C
661POD	POD, 1939
677Put	HO-D
705Ram	HO-C
708Rat	HO-D
736Rip	HO-C
748Rot	HO-B
775Rum	HO-B
759Sag	HO-C
754Sal	HO-B
775Set	HO-C
737Sis	HO-D
749Sky	HO-B
750Sly	HO-C
787STRAW	STRAW, 1939
806Tap	HO-B
827TER	LITTLE SISTER, 1941
831TIDE	TIDE POINT, 1939
866Ton	HO-B
769TOW	TOW, 1941
880Tub	HO-C
885Van	HO-C
888Veb	HO-B
889Via	HO-C
836Vim	HO-C
907War	HO-B
908Was	HO-C
901Wed	HO-D
936Who	HO-C
939Why	HO-C
920Yea	HO-C

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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. H-8333

Field No. HO-1455

State Washington

General locality Washington Coast

Locality Rosario Strait, Peavine Pass and Obstruction Pass

Scale 1:10,000 Date of survey July, Aug. & Sept. 1955

Instructions dated 7 Jan. 1955

Vessel HODGSON, Launch 176, 177 and 134

Chief of party Paul Taylor

Surveyed by R. C. Munson, M. J. Tonkel and Paul Taylor

Soundings taken by fathometer, ~~graphic sounder, hand lead, color~~

Fathograms scaled by J. P. R.

Fathograms checked by R. C. M.  
L. F. H.

Protracted by William M. Martin

Soundings penciled by William M. Martin

Soundings in ~~feet~~ fathoms ~~2000~~ at MLLW MLLW

REMARKS:

.....  
.....  
.....  
.....  
.....

*Handwritten initials*

DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY NO. \_\_\_\_\_ (FIELD NO. HO-1455)

SCALE 1:10,000      SHIP HODGSON      A. N. STEWART  
PAUL TAYLOR, COMDG.

SURVEYED BY: M. J. TONKEL, P. TAYLOR, R. C. MUNSON

A. PROJECT

This survey was executed as part of Project 1241 under Instructions 22/SRO; S-2-HO dated 7 January 1955.

B. SURVEY LIMITS AND DATES

This survey covers Rosario Strait, Peavine Pass and Obstruction Pass from Lat. 48 - 33'15N to 48 - 41'16 N and from Long. 122 - 42'16 W to 122 - 50'10 W.

Field work <sup>began</sup> on this sheet 12 July 1955 and completed 9 September 1955.

This survey is joined on the south by Field Survey No. HO-1255; on the east by Field Survey No. HO-1555 of this project.

C. VESSELS AND EQUIPMENT

The survey was executed by hydrographic launches Nos. 176 and 177.

808 fathometers Nos. 62S, 106S and 104S with reeds calibrated for a velocity of 800 fathoms per second were used for all hydrography.

D. TIDE AND CURRENT STATIONS

A portable automatic tide gage was established and maintained throughout the hydrography on this sheet. The gage was installed in Strawberry Bay, Lat. 48 - 43'18N, Long. 122 - 43'35W and was used without time or range corrections.

Two current stations were maintained within the limits of this survey. No. 6 was established in Peavine Pass at Lat. 48 - 35'38 N, Long. 122 - 48'63W and No. 7 was established in Rosario Strait at Lat. 48 - 37'15N, Long. 122 - 44'11W.

E. SMOOTH SHEET

All work on the smooth sheet will be done by the Seattle Processing Office and will be covered by their report which will be an addenda to this report.

F. CONTROL STATIONS

Station	Date	Source	Chief of Party
BERRY	1939	USC&GS	R.L.S.
BLAKE	1939	"	R. L. S.
BOLD	1940	"	"
PEAVINE PASS BEACON	1939	"	"
CURRENT	1955	"	A. N. S.
DOE	1939	"	R. L. S.
OBSTRUCTION PASS	1854	"	G. D.
LAWRENCE "3"	1939	"	R. L. S.
PEAPOD LIGHT	1939	"	"
OBSTRUCTION PASS LIGHT	1939	"	"
PEAVINE PASS BEACON	1939	"	"
PEAPOD	1939	"	"
PICKETT	1941	"	C. P.
POD	1939	"	R. L. S.
STRAW	1939	"	"
LITTLE SISTER	1941	"	C. P.
TIDE POINT	1939	"	R.L. S.
TOW	1941	"	C. P.

Supplementary control was topographic from topo sheets, HO-A-55, B-55, C-55, and D-55.

A list of all signals and origin is in Vol. No. 1, of the sounding records.

G. SHORELINE AND TOPOGRAPHY

All shoreline is from 1:10,000 scale topographic sheet Nos. 1889 - 1952, 1888 - 1869, 1888 - 1870, and 1886 - 1948.

No shoreline discrepancies were noted.

For checked topography and graphic control see special report and graphic control sheets.

On account of the steep-to, rocky coast it was impractical to delineate the low water line in all cases.

H. SOUNDINGS

All soundings, with the exception of a few hand lead soundings, were taken by 808 fathometers Nos. 106S, 104S and 62S.

The 808 fathometer initials were set so that with the bar at two fathoms the fathometer would read two fathoms, thereby eliminating index corrections. The 808 fathometer reads were calibrated for 800 fathoms per second.

Bar checks were made three times daily and in accordance with letter 22/MEK, S-1-HO dated 15 June 1953 to the Commanding Officer, Ship HODGSON.

The records of Temperature and Salinity Observations and graphs of velocity corrections are from the University of Washington titration test. The hydrometer values were disregarded. Velocity corrections have been entered and checked in the sounding volumes. See special report for further details.

All corrections have been entered and checked in the sounding volumes.

I. CONTROL OF HYDROGRAPHY

All hydrography was controlled by visual sextant angles on shore signals.

Due to the strong rip currents, launch hydrography was run on ranges, where possible; therefore, spacing between fixes is not consistent with time lapse.

J. ADEQUACY OF SURVEY

This survey is complete and adequate for charting purposes and should supersede all prior surveys. Junctions with adjoining sheets are satisfactory and no holidays exist. Depth curves can be adequately drawn at the junctions.

K. CROSSLINES

There are approximately 64 miles of crosslines or about 7% of all lines run are crosslines. All crossings appear to be satisfactory.

L. COMPARISON WITH PRIOR SURVEYS

The soundings from prior surveys, as charted, were transferred to the boat sheet. Differences are noted below:

<u>CHART LOCATION</u>	<u>CHART NOTATION</u>	<u>NEW LOCATION</u>	<u>NEW NOTATION</u>	<u>REMARKS</u>
Lat. 48 - 39126N Long. 122 - 44121W	20 fm. (shoal)	48 - 39126 N 122 - 44121 N	24 fm. (shoal) ✓	Shoalest sdg. found during development.
Lat. 48 - 3810N Long. 122 - 45131N	2.3 fm. (shoal)	48 - 38100 N 122 - 45131 W 28	2.1 3.5 fm. shoal	" " pos 24 u
Lat. 48 - 38125N Long. 122 - 46145W	2.0 fm. (shoal)	48 - 38125N 122 - 46145W	1.8 2.4 fm. shoal	" " pos 2 g
Lat. 48 - 36179N Long. 122 - 48109W	rock	48 - 36179N 122 - 48109W	3.2 fm. ✓	H.L. taken on top of shoal. No rock bare. Pos. 4lh ✓

The above soundings are from the boat sheet using predicted tides and will be revised when smooth plot is made and actual reducers applied.

M. COMPARISON WITH CHART

This survey was compared with Chart 6380, 8th edition dated 1/23/54. The charted soundings as shown, are more or less correct. All rock symbols shown were verified or disproved.

This survey should supersede all charted data.

Listed in the table below are dangers, shoals and significant soundings that differ with charted data.

<u>CHART LOCATION</u>	<u>CHART DEPTH</u>	<u>NEW LOCATION</u>	<u>NEW DEPTH</u>	<u>REMARKS</u>
Lat. 48 - 39195N Long. 122 - 44105W	27 fms.	48 - 40100 N 122 - 43193 W	20.18 fms.	Pos. 157-a 144-145 n
Lat. 48 - 40158N Long. 122 - 44120W	19 fms.	48 - 40160N 122 - 44135 W	15.2 <sup>10 55</sup> fms.	Pos. 111-112v
Lat. 48 - 40149N Long. 122 - 44151W	35 fms.	48 - 40139N 122 - 44160W	11.1 <sup>11 25</sup> fms.	Pos. 104-105v 102-103v
Lat. 48 - 39190N Long. 122 - 44148W	32 fms.	48 - 40102N 122 - 44161W	9.9 fms.	Pos. 2 - 3 t
Lat. 48 - 37.50N Long. 122 - 43171W	—	48 - 37.46N 122 - 43.80W	—	Buoy N"2A" Buckeye Shoal buoy - section "P" of this report Pos. 128m Also located on graphic control sheet HO-C55

(See vol. 8, p. 31)

N. DANGERS AND SHOALS

<u>LOCATION</u>	<u>DEPTH</u>	<u>POSITION</u>
Lat. 48 - 37160 N Long. 122 - 46179 W	7.3 fms.	Pos. 61-62 l correct? Ind. 72

The above soundings sections "M" and "N" are from the boat sheet using predicted tides and will be revised when smooth plot is made and actual reducers applied.

Particular attention should be given to the numerous rock locations and notes on boat sheets.

O. COAST PILOT INFORMATION

The published Coast Pilot information is complete and adequate.

P. AIDS TO NAVIGATION

There are three fixed aids to navigation within the limits of this sheet, two are on Obstruction Island and one on N. Peapod Island. All are charted correctly.

There is one floating aid N"2A" on Buckeye Shoal, the location of which varies slightly as compared to the charted position. See section "M" of this



report for the new position of this aid. (See vol. 8, p. 31 for buoy } Lighted  
See vol. 9, p. 43 for peak) } Buoy  
Red  
Bell

Q. LANDMARKS

One landmark is recommended, the Chimney of the Seaacres Lodge, west side Rosario Strait. See Form 567 and Graphic Control Report.

R. GEOGRAPHIC NAMES

There are no recommended new names or changes.

S. SILTED AREAS

No significant new deposition or alongshore shifting was noted.

T. MARKED STATIONS

One new station was established within the limits of this survey. It was marked CURRENT, 1955, and is located on the northwest shore of Cypress Island. It was located by standard second order triangulation.

Z. TABULATION OF APPLICABLE DATA

Tide Data - Strawberry Bay tide gage - forwarded to Washington Office.  
Topographic Control Data - forwarded to Washington Office.  
Temperature - Salinity Report  
Fathometer Corrections  
Triangulation Data and Report - forwarded to Washington Office.  
Landmarks for Charts - forwarded to Washington Office.  
Current Data - forwarded to Washington Office.

Respectfully submitted,

*James P. Randall*  
James P. Randall,  
Ens., USC&GS

Approved by;

*Paul Taylor*  
Paul Taylor,  
CDR, USC&GS  
Comdg., Ship HODGSON

TIDE NOTE

The Strawberry Bay, Washington tide gage, Lat. 48 - 43'85N, Long. 122 - 43'35W was used without time or range correction for the reduction of all soundings on this sheet. 7.9 feet on the staff corresponds to MLLW.

GEOGRAPHIC NAMES

A list of all names pencilled on the smooth sheet.

(To be filled in by Processing Office, Seattle, Wash.)

## TABLE 1

## STATISTICS

FOR

HYDROGRAPHIC SURVEY H-4333, FIELD NO. HO-1455

VOL.	DAY	DATE	VESSEL	POS.	STAT. MI.	H. L. SDG.
1	a	9/12/55	HODGSON 134	23	--	233
	TOTAL			23	--	23
	A, B, C		HODGSON	92		92
				113		113
2	a	8/10/55	Launch 176	216	52.4	
2	b	8/12/55	"	79	15.7	
3	c	8/15/55	"	194	20.9	
3	d	8/16/55	"	154	16.0	
3&4	e	8/24/55	"	148	25.8	
4	f	8/25/55	"	155	29.6	
5	g	8/26/55	"	186	37.6	1
5&6	h	8/27/55	"	224	51.9	
6	j	8/28/55	"	200	46.9	
6&7	k	8/29/55	"	75	15.1	
7	l	8/30/55	"	213	42.9	
7&8	m	9/10/55	"	229	45.7	
8&9	n	9/11/55	"	183	32.4	
9	p	9/12/55	"	61	5.8	9
	TOTAL			2317	438.2	10
10	a	7/12/55	Launch 177	86	17.7	
10	b	7/13/55	"	177	34.7	3
10&11	c	7/14/55	"	154	21.4	5
11	d	7/27/55	"	92	11.6	5
11	e	7/29/55	"	126	26.3	
11	f	7/30/55	"	104	19.8	6
12	g	7/31/55	"	155	30.8	
12	h	8/1/55	"	182	31.3	19
12&13	j	8/2/55	"	198	39.2	
13	k	8/11/55	"	82	16.9	
14	l	8/12/55	"	181	25.5	
14	m	8/13/55	"	167	28.9	
14	n	8/14/55	"	143	17.8	1
14	p	8/15/55	"	134	14.7	1
15	q	8/16/55	"	44	5.6	4
16	r	8/29/55	"	87	17.9	
16	s	8/30/55	"	168	33.4	
16&17	t	9/12/55	"	189	38.0	
17	u	9/14/55	"	156	27.1	
18	v	9/22/55	"	136	24.0	
	TOTAL			2761	482.6	44
	TOTAL FOR SHEET			5191	920.8	157
						157

TABLE 2

## FATHOMETER CORRECTIONS (PHASES)

808 Fathometer No. 62S - Vol. 7, Page 5

A Scale	B Scale	A-B Scale
44.8	44.0	0.8
44.7	44.0	0.7
44.7	43.9	0.8
44.7	43.9	0.8
44.7	44.0	0.7
44.6	44.0	0.6
44.6	43.9	0.7
44.6	43.9	0.7
44.5	43.8	0.7
		<u>6.5</u> Total
		0.7 Mean - Corr. to be applied to "B" Scale

808 Fathometer No. 10~~8~~<sup>4</sup>S - Vol. 17, Page 53

49.8	49.0	0.8
50.0	49.1	0.9
49.8	49.3	0.5
49.7	49.0	0.7
49.6	49.0	0.6
49.7	49.0	0.7
50.0	49.6	0.4
50.8	50.4	0.4
51.0	50.4	0.6
51.0	50.6	0.4
51.2	50.8	0.4
51.4	50.6	0.8
		<u>7.2</u> Total
		0.6 Mean - Corr. to be applied to "B" Scale

TABLE 3

## VELOCITY CORRECTIONS

(Temperature - Salinity)

Depth Fms.	Corrn. Fms.
0-5	0.0
5-11	+ 0.1
11-26	+ 0.2
26-43	+ 0.4
43-(60)	+ 0.6

APPROVAL SHEET

The boat sheet, records and report for Survey HO-1455 (Field) have been examined by me and found to be complete except as noted in the body of this report.

*Paul Taylor*  
Paul Taylor,  
CDR, USC&GS  
Comdg., Ship HODGSON

## PROCESSING OFFICE NOTES H-8333

### SMOOTH SHEET

The smooth sheet was hand constructed and checked by the Seattle Hydrographic Processing Unit using standard methods.

### SHORELINE AND TOPOGRAPHY

The shoreline and off-shore detail are from film positives of T-1748 - 1886, T-1869 - 1888 and T-1952 - 1889 all at scale 1:10,000, except for a short section of shoreline at the junction of T-1869 and T-1952 which comes from Graphic Control Sheet HO-C-55.

### SOUNDINGS

Phase corrections were changed on two days, "r" and "s" Launch 177, because the original corrections did not give satisfactory results.

The phase comparison taken on "r" day Launch 177, 8/29/55, and rejected by the field party was accepted by the smooth plotter for this day only.

A varying speed correction had been applied to "s" day Launch 177, 8/30/55, by the field party which was rejected by the smooth plotter. The apparent changes in fathometer speed are only changes in paper speed with no effect on the recorded depths. This is proven by the fact that soundings taken on "A" scale agree with cross lines and adjacent soundings of other days, without correction.

The phase corrections as determined on "u" day Launch 177, 9/14/55, did not work when applied to this day. Nor did the correction on "r" day agree. As nearly as possible the actual scale differences were scaled from the fathograms at the change points from "A to B" scale and BB to A" scale and were applied to "B" scale soundings.

The above changes appear to give satisfactory results.

### ADEQUACY OF SURVEY

Covered in the Hydrographer's report. The junctions with H-7080 and H-8232 have been compared and appear to be satisfactory. The junctions with other sheets will be compared when those sheets are completed.



COMPARISON WITH PRIOR SURVEYS

Comparison has been made with prior surveys H-1953, 1:20,000 - 1889 and H-2406, 1:10,000 - 1894.

The agreement with H-1953 appears to be satisfactory. Sounding lines on H-1953 were much more widely spaced than on the present survey, consequently a number of shoal soundings were missed on the older survey.

H-2406 was the development of Buckeye and Lydia Shoals. The least depth shown for Buckeye Shoal on H-2406 is 4 fathoms, on H-8333 3.9 fathoms. On Lydia Shoal the least depth shown on H-2406 is 3.75 fathoms, on H-8333 it is 4.5 fathoms. A 24 fathom sounding shown on H-2406 at Lat. 48° 35'95"N, Long. 122° 46'50"W falls in an area where the depth shown on H-8333 is approximately 34 fathoms. It is believed that the 24 fathom sounding is 10 fathoms in error. Hold to H-8333 because it's 54 years later than H-2406; (also note datum)

Two other surveys, H-405, 1:200,000 - 1853 and H-433, 1:100,000 - 1854, cover the area of the present survey. Since H-405 was a reconnaissance survey, no attempt was made to compare it with the present survey. H-433 was compared on an area basis. The soundings shown appear to be in fairly satisfactory agreement.

COMPARISON WITH CHART

Comparison was made with Chart 6380, 8th Ed. Revised 6/17/57 and Chart 6300, 11th Ed. Revised 3/17/58.

In addition to the items covered in the Hydrographer's report, two charted soundings, shown on Chart 6380, which differ from the smooth sheet are deemed worthy of mention.

CHART LOCATION	CHART DEPTH	SMOOTH SHEET DEPTH	REMARKS
Lat. 48° 35'95 Long. 122° 46'50	24 fms.	34 <sup>+</sup> fms.	Charted sndg. appears shoal
Lat. 48° 38'8 Long. 122° 44'4	25 fms.	22 fms.	
Also at Lat. 48° 37'0 Long. 122° 48'3	Sunken Rock Symbol		Two rocks awash in this area.

(3)

Respectfully submitted

  
WILLIAM M. MARTIN

Supervisory Cartographer

Approved and Forwarded



E. H. KIRSCH

CAPTAIN, C&GS

SEATTLE DISTRICT OFFICER

GEOGRAPHIC NAMES PENCILED ON H-8333

BLAKELY ISLAND

BUCKEYE SHOAL

CYPRESS ISLAND

CYPRESS REEF

DEER POINT

DOE BAY

DOE ISLAND

EAGLE CLIFF

LYDIA SHOAL

N. PEAPOD

OBSTRUCTION ISLAND

OBSTRUCTION PASS

ORCAS ISLAND

PEAVINE PASS

~~PEAVINE~~ LAWRENCE POINT

ROSARIO STRAIT

S. PEAPOD

STRAWBERRY ISLAND

TIDE POINT

TOWHEAD ISLAND

GEOGRAPHIC NAMES

Survey No. 8333

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Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
<u>Washington</u>										BGN	1
<u>Rosario Strait</u>										"	2
<u>Strawberry Island</u>											3
<u>Cypress Island</u>											4
<u>Tide Point</u>											5
<u>Eagle Cliff</u>											6
<u>Towhead Island</u>										BGN	7
<u>Cypress Reef</u>											8
<u>Buckeye Shoal</u>											9
<u>Lawrence Point</u>											9
<u>Orcas Island</u>											10
<u>North Peapod</u>											11
<u>South Peapod</u>											12
<u>Doe Bay</u>											13
<u>Doe Island</u>										BGN	14
<u>Deer Point</u>											15
<u>Lydia Shoal</u>											16
<u>Obstruction Pass</u>											17
<u>Obstruction Island</u>											18
<u>Peavine Pass</u>											19
<u>Blakely Island</u>											20
											21
<u>Tide Station (not named on sheet)</u>											22
<u>Strawberry Bay</u>											23
											24
											25
											26
											27

Names approved 2-12-59

L Heck

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

Chart Division: R. H. Carstens:

2 April 1959

Plane of reference approved in  
18 volumes of sounding records for

HYDROGRAPHIC SHEET 8333

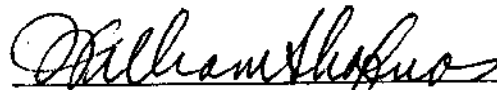
Locality Rosario Strait, Wash.

Chief of Party: Paul Taylor in 1955

Plane of reference is mean lower low water, reading  
7.9 ft. on tide staff at Strawberry Bay, Cypress Island  
11.2 ft. below B.M. 1 (1955)

Height of mean high water above plane of reference is 7.3 feet.

Condition of records satisfactory except as noted below:

  
Signature

Chief, Tides Branch

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8333

Records accompanying survey:

Boat sheets 2; sounding vols. 18; wire drag vols. ....;  
bomb vols. ....; graphic recorder rolls 8-Envelopes  
special reports, etc. ...1-Smooth sheet and 1-Descriptive report.  
Form 524 - Description of Recoverable Topographic Station

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	.....
Number of positions checked	.....
Number of positions revised	.....
Number of soundings revised (refers to depth only)	.....
Number of soundings erroneously spaced	.....
Number of signals erroneously plotted or transferred	.....
Topographic details	Time .....
Junctions	Time .....
Verification of soundings from graphic record	Time .....
Verification by.....	Total time ..... Date .....
Reviewed by.....	Time ..... Date .....

VERIFIER'S REPORT OF HYDROGRAPHIC SURVEY NO. H-8333

The verifier should deal with the present hydrographic survey only, as the reviewer considers its relation to previous surveys and published charts. He should be thoroughly familiar with Chapters 3, 7 and 9 of the Hydrographic Manual.

1. The descriptive report was consulted and appropriate notes were made in soft pencil regarding action taken.
2. Soundings originating with the survey and mentioned in the descriptive report have been verified, including latitude and longitude.
3. All reference to survey sheets mentioned in the descriptive report include the registry number and year.
4. Geographic names of hydrographic features if on sheet are in slanting lettering and of topographic features in vertical lettering.
5. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken. Pos. 1 "m" (brown) vol. 4, p. 47, is critical depth. Station on right must have been "Ned". (See marginal note pos. 34 "k" (brown) (vol. 13, p. 47). Charted depth shallower than pos. 1 "m" (brown). Inked 42 Fm. on S.S.
6. All positions verified instrumentally were check marked in the sounding records.
7. All critical soundings are clear and legible and are a little larger than the adjacent soundings.
8. The metal protractor has been checked within the last three months.
9. The protracting and plotting of all bad crossings were verified.
10. All detached positions locating critical soundings, rocks or buoys were verified. Please note pos. 158 "g", (vol. 5, p. 34) because of blue (Ⓟ) which is apparently incorrect.
11. The boat sheet was compared with the smooth sheet.

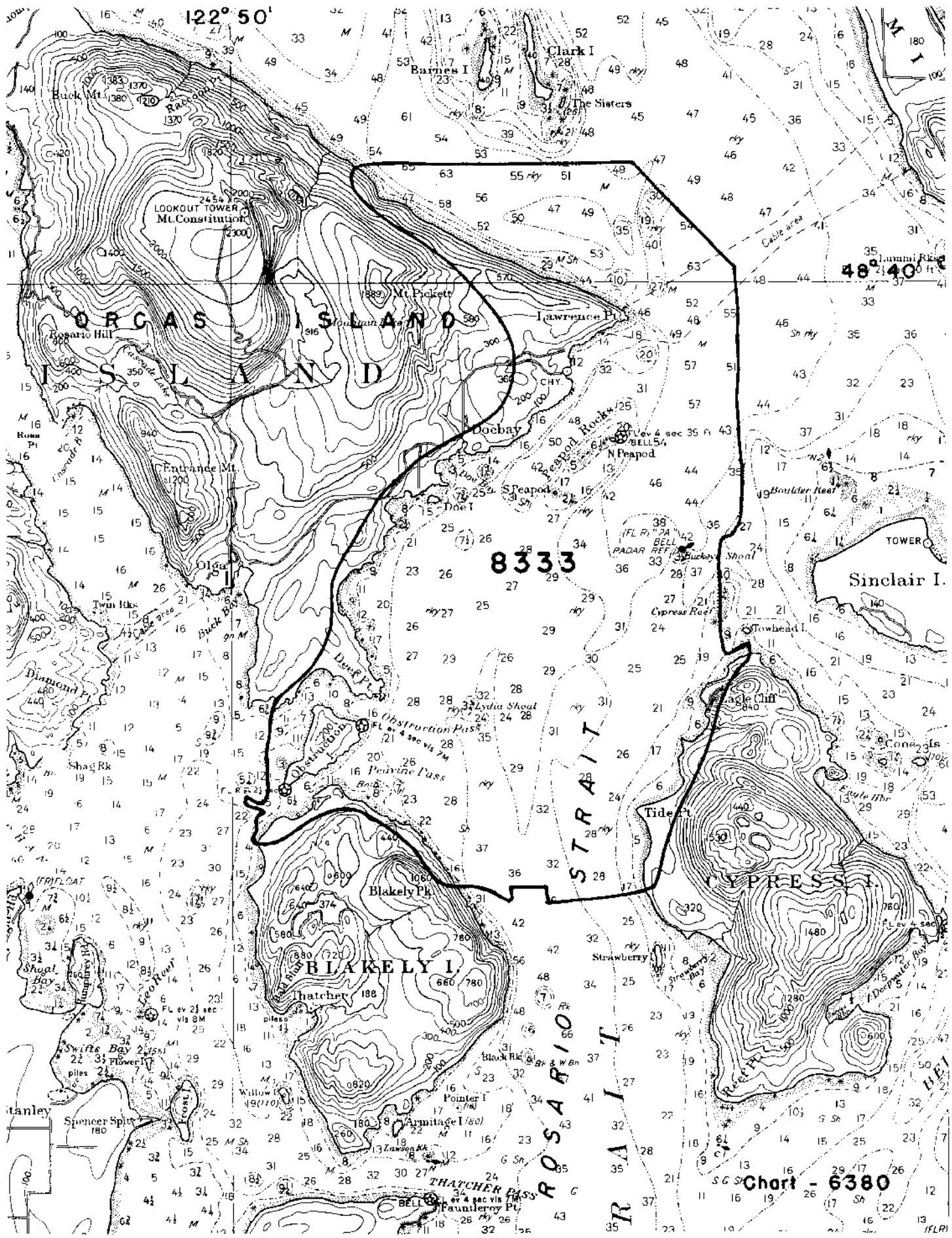
12. The spacing of soundings as recorded in the records was closely followed.
13. The bottom characteristics were shown on outstanding shoals.
14. The reduction and plotting of doubtful soundings were checked.
15. The transfer of contemporary topographic information was carefully examined.
16. All junctions were transferred and overlapping curves made identical.
17. The notation "JOINS H- (19--)" was added in ink for all contemporary adjoining or overlapping sheets now registered. Those not verified are shown in pencil.
18. The depth curves have been inspected before inking.
19. All triangulation stations and transfer of topographic and hydrographic signals were checked.
20. Heights of rocks were checked against range of tide.
21. Rocks transferred from topographic surveys have a dotted curve where shown thereon. Rocks located accurately by hydrographer are encircled by dotted red curve.
22. Unnecessary pencil notes have been removed.
23. Objects on which signals are located and which fall outside of the low water line have been described on the sheet.
24. The low water line and delineation of shoal areas have been properly shown.
25. Degree and minutes values and symbols have been checked.
26. Questionable soundings have been checked on the fathograms.



27. Source of shoreline and signals (when not given in report).
28. All notes on sheet are in accordance with figure 171 in the Hydrographic Manual.
29. All aids located, with those on contemporary topographic sheets, have been shown on survey.
30. Depth curves were satisfactory except as follows:
31. Sounding line crossings were satisfactory except as follows:
32. Junctions with contemporary surveys were satisfactory except as follows:
33. Condition of sounding records was satisfactory except as follows:
34. The protracting was satisfactory except as follows:
35. The field plotting of soundings was satisfactory except as follows:
36. Notes to reviewer:

Verified by

Date



122° 50'

48° 40'

8333

Chart - 6380



Pos. 1708  
position of corner  
position of corner  
||

1708

1708

1708